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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/920,361	08/01/2001	Lawrence R. Conrath	00-576-A	4267

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EXAMINER

CHANNAVAJJALA, SRIRAMA T

ART UNIT	PAPER NUMBER
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2166

DATE MAILED: 09/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

8

<b>Office Action Summary</b>	<b>Application No.</b> 09/920,361	<b>Applicant(s)</b> CONRATH, LAWRENCE R.	
	<b>Examiner</b> Srirama Channavajjala	<b>Art Unit</b> 2166	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 August 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 August 2001 is/are: a) ☒ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>1/2/02 &amp; 7/2/02</u> . | 6) <input type="checkbox"/> Other: _____  |

2

## DETAILED ACTION

### Response to Amendment

1. Claims 1-13 are pending in this application.
2. Examiner acknowledges applicant **hereby elect Group I claims 1-13** filed on 8/17/05, further examiner treats Group II claims 14-17 have been withdrawn from this application.

### Drawings

3. The drawings filed on 08/01/2001 are acceptable for examination purpose.

It is however noted that **fig 8** is not related to elected Group-I claims 1-13.

4. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claim(s) for example, claim 1 is directed to "a method for electronically recording data for a waste route, the method comprising the steps of: providing a device with data associated with destinations on the waste route; and repeating, for each of the destinations on the waste route, the steps of: traveling to a destination on the waste route; electronically recording an arrival time for the destination on the waste route; electronically recording an amount of waste collected for the destination on the waste route; and electronically recording a departure time for the destination other waste route. Therefore, each specific function must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Art Unit: 2166

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

***Information Disclosure Statement***

5. The information disclosure statement PTO-1449 filed on 02 Jan 2002, and 02 Jul 2002 is in compliance with the provisions of 37 CFR 1.97, and has been considered and a copy is enclosed with this Office Action.

***Priority***

6. Applicant's claim for domestic priority under 35 U.S.C. 119(e) based on provisional application sl.no. **60/222241** filed on **08/01/2000** is acknowledged.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**7. Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Embutsu et al. [hereafter Embutsu], US Patent No. 5960402 published on 28 Sept 1999 in view of Hoshino et al. [hereafter Hoshino] US Patent No. 6073062 published on 6 June 2000**

Art Unit: 2166

8. As to Claims 1 and 13, Embutsu teaches a system which including 'providing a device with data associated with destinations on the waste route' [see Abstract],

Embutsu specifically directed to information management which deals with waste of each depository and a device for collecting waste collection information also see fig 1,

'repeating, for each of the destinations on the waste route' [col 5, line 32-52],

Embutsu specifically teaches for example transporting discarded material, such as electric appliances to stockyard fig 1, element 90, further in case the retailers and waste collecting agents provide transportation such as trucks for transporting discarded home electric appliances to the stockyard as detailed in col 5, line 45-48,

'traveling to a destination on the waste route' [col 5, line 45-52, col 8, line 10-18],

'waste collected for the destination on the waste route' [see col 5, line 45-52],

destination corresponds to stockyard from retailers who collects discarded home electric appliances as detailed in col 5, line 32-35.

It is however, noted that Embutsu does not specifically teach 'electronically recording an arrival, electronically recording a departure time. On the other hand, Hoshino teaches a system which including 'electronically recording an arrival, electronically recording a departure time' [see fig 33, col 32, line 51-67], specifically Hoshino disclosed arriving/leaving management table.

It would have been obvious one of the ordinary skill in the art at the time of applicant's invention to incorporate the teachings of Hoshino et al. into information management dealing with waste and waste recycle planning system of Embutsu

Art Unit: 2166

because Embutsu is directed to waste collection method based on the information and process volume of a recycling, specifically determining amount of waste to be collected and transported from retailers to the stockyard as detailed in col 2, line 54-67, while Hoshino directed to accurate information gathering regarding work performed by a driver or a crew in the moving vehicle [see Abstract].

One of the ordinary skill in the art at the time of applicant's invention to modify Embutsu's fig 1 to incorporate Hoshino's fig 33, more specifically arriving/leaving management table as detailed in the field office of Hoshino because that would have allowed users of Embutsu to record not only exact arrival/leaving time of the vehicle, but also exact position of the vehicle and speed of the vehicle, thus improving the reliability and quality of waste management system.

9. As to Claim 2, Hoshino teaches a system which including 'device is a personal information device' [col 4, line 56-62, fig 3, more specifically personal information device corresponds to mobile device].

10. As to Claim 3, Hoshino teaches a system which including 'data associated with destinations includes address for the destinations' [see fig 13].

11. As to Claim 4-5, 7-8, Hoshino teaches a system which including 'electronically recording an arrival time is performed by an operator' [col 32, line 51-67, see fig 33, especially arrival/leaving management table, also see fig 34A].

Art Unit: 2166

12. As to Claim 6, Embutsu teaches a system which including 'providing an operator with an expected amount of waste for the destination' [col 1, line 50-61],

'receiving an input by the operator indicating whether the amount of waste equals the expected amount of waste for the destination' [col 2, line 44-53, col 6, line 66-67, col 7, line 1-5],

'recording an input by an operator indicating whether the amount of waste equals the expected amount of waste for the destination' [col 7, line 13-23].

13. As to Claim 9, Hoshino teaches a system which including 'electronically recording pictorial information for the destination' [see fig 21-22].

14. As to Claim 10, Hoshino teaches a system which including 'generating the data associated with destination' [see fig 23A-23B, col 22, line 47-67]. On the other hand, Embutsu teaches waste route' [see Abstract].

15. As to Claim 11, Hoshino teaches a system which including 'transferring the electronically recorded data regarding the arrival times, the departure times for each of the destinations', 'analyzing the electronically recorded data regarding the arrival times'[col 21, line 46-67, col 22, line 1-16]. On the other hand, Embutsu teaches 'waste management' [see col 3, line 36-53].

Art Unit: 2166

16. As to Claim 12, Embutsu teaches a system which including 'analyzing costs of collecting waste for each destination' [col 7, line 54-67, col 8, line 1-3].

***Conclusion***

**The prior art made of record**

- a. US Patent. No. 5960402
- b. US Patent No. 6073062

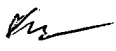


Art Unit: 2166

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Srirama Channavajjala whose telephone number is 571-272-4108. The examiner can normally be reached on Monday-Friday from 8:00 AM to 5:30 PM Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alam, Hosain, T, can be reached on (571) 272-3978. The fax phone numbers for the organization where the application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)

SC  
Patent Examiner.  
September 14, 2005.

  
RAMA CHANNAVAJJALA  
PRIMARY EXAMINER